



2026. M81A

2026L562A1EL

Coimisiún na Scrúduithe Stáit

State Examinations Commission

Leaving Certificate Examination, 2026

Design & Communication Graphics

Higher Level

Section A (60 marks)

Thursday, 18 June
Morning, 9:30 - 12:30

Centre No.

This examination has three sections:

Section A	Core - Short Questions
Section B	Core - Long Questions
Section C	Applied Graphics - Long Questions

Section A

- Four questions are presented.
- Answer **any three** questions on the A3 sheet overleaf.
- All questions in Section A carry **20 marks** each.

General Instructions:

- Construction lines must be shown on all solutions.
- Write the question number distinctly on the answer paper in Section B and Section C.
- Work on one side of the drawing paper only.
- All dimensions are given in metres or millimetres.
- Write your Examination number in the box below and on all other sheets used.

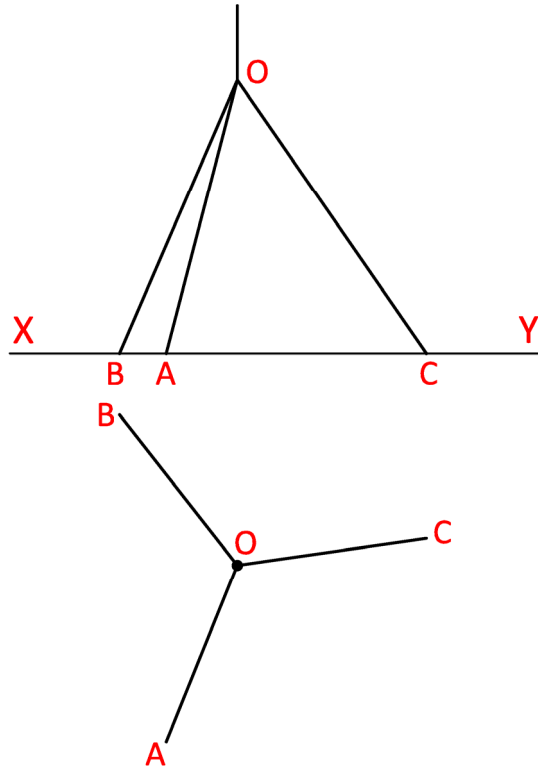
Examination Number

Section A - Core - Answer any three of the questions on this A3 sheet.

A-1. The image below shows a social media camera stand.

The drawing on the right shows the plan and elevation of a similar camera stand.

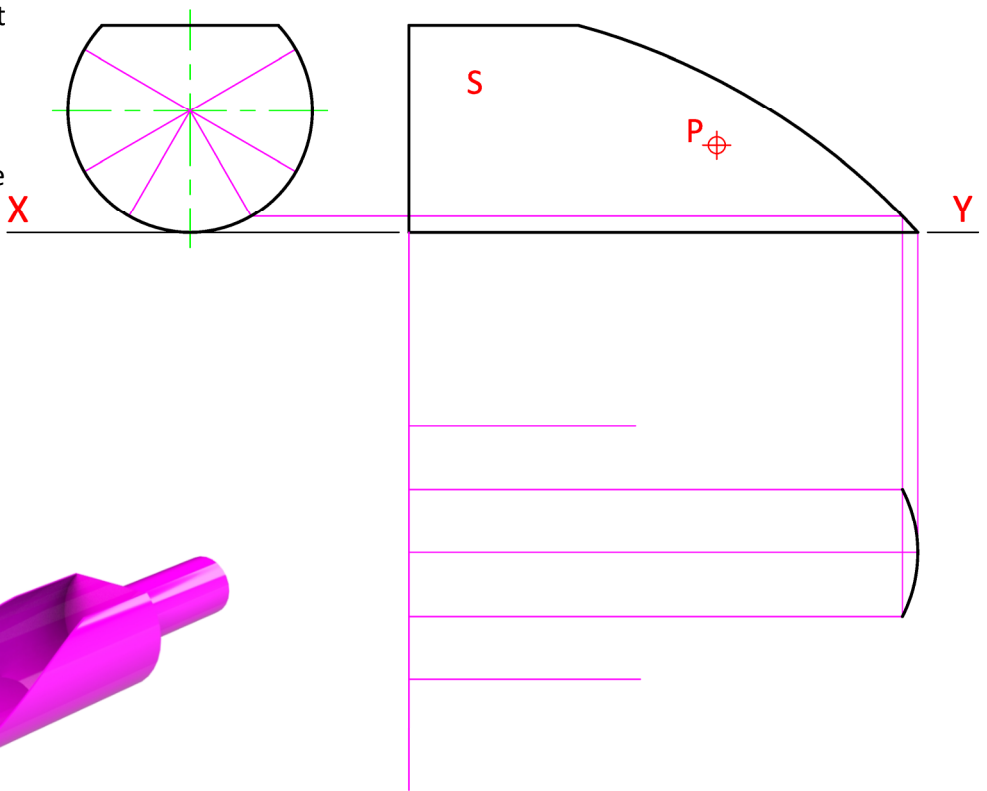
- (a) Determine and indicate the true length of the line **OB**.
- (b) Determine the true angle between the lines **OA** and **OC**.



A-3. The image below shows a sweet jar and a scoop.

The drawing on the right shows the end view and elevation of a similar scoop. The incomplete surface development of the cylindrical surface **S** is also shown.

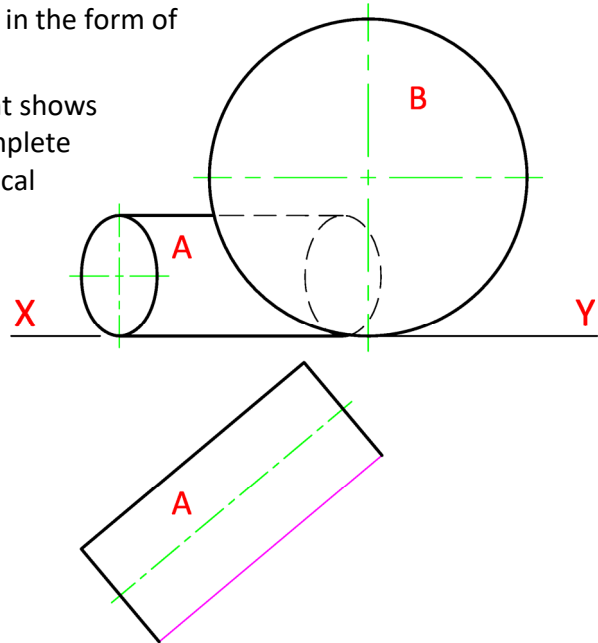
- (a) Complete the surface development of surface **S**.
- (b) A point **P**, on surface **S**, is shown in the elevation. Locate this point on the surface development.



A-2. The image below shows zorbing spheres on a track. The track-side barrier is in the form of a cylinder.

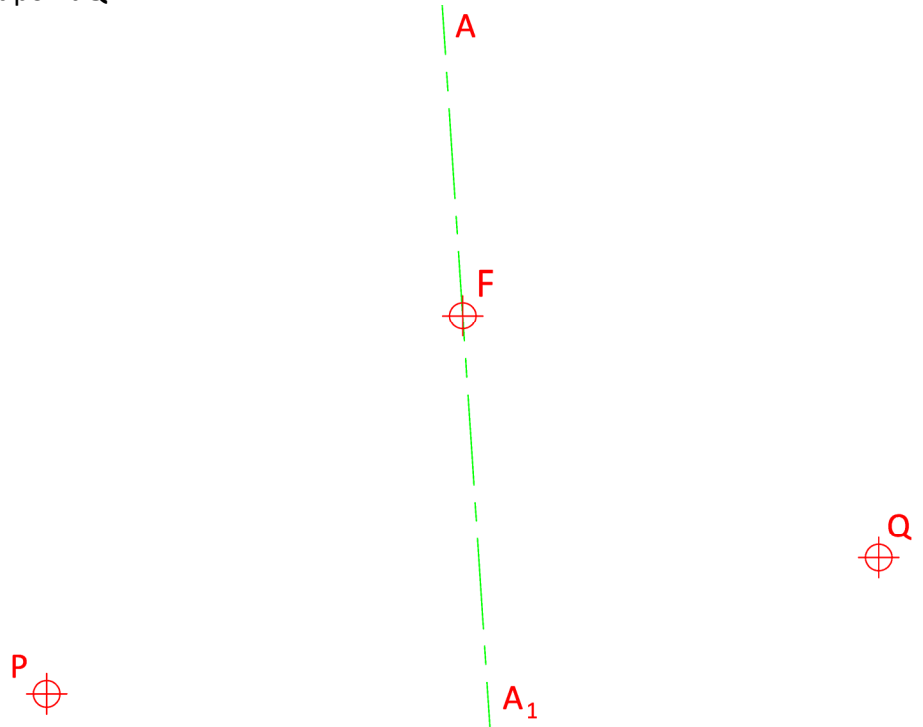
The drawing on the right shows the elevation and incomplete plan of a similar cylindrical barrier **A** and zorbing sphere **B** in contact with each other.

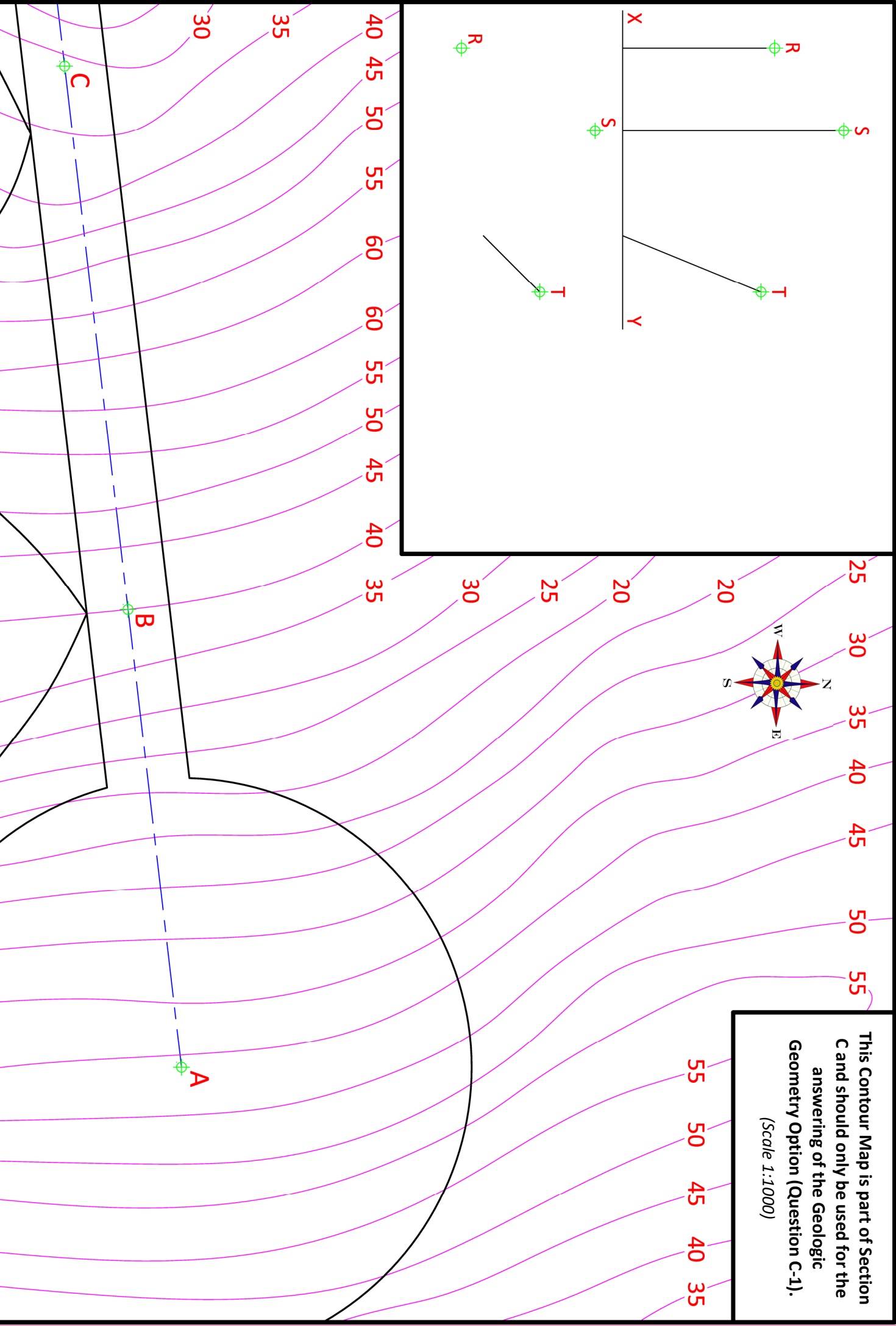
- (a) Complete the plan of the solids in contact. Include all hidden detail.
- (b) Show clearly the point of contact between the cylinder **A** and the sphere **B** in plan and elevation.



A-4. The image below shows the parabolic Clyde Arc bridge in Glasgow, Scotland. The drawing below shows the axis **AA₁**, focus **F**, and two points **P** and **Q** on a similar parabola.

- (a) Locate the directrix and vertex and draw the portion of the parabola which shall pass through **P** and **Q**.
- (b) Draw a tangent to the curve at point **Q**.





This Contour Map is part of Section C and should only be used for the answering of the Geologic Geometry Option (Question C-1).
(Scale 1:1,000)